FORM PTO-1390 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV. 11-2000)	ATTORNEY'S DOCKET NUMBER PU020105
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371	U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR **10/510535**

INTERNATIONAL APPLICATION NO. PCT/US03/08525	INTERNATIONAL FILING DATE 20-MAR-2003 (20.03.2003)	PRIORITY DATE CLAIMED 08.04.2002

TITLE OF INVENTION

APPARATUS AND METHOD FOR DATA CACHING TO REDUCE CHANNEL CHANGE DELAY

APPLICANT(S) FOR DO/EO/US
ROBERT VINCENT KRAKORA; DANIEL RICHARD SCHNEIDEWEND ; THOMAS HERBERT JONES

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.

4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).

5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
    a. ☐ is attached hereto (required only if not communicated by the International Bureau).

    b. ☒ has been communicated by the International Bureau.

    c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).

6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    a. ☐ is attached hereto.
    b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).

7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
    a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    b. ☐ have been communicated by the International Bureau.
    c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 20 below concern document(s) or information included:
13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A FIRST preliminary amendment.
16. ☐ A SECOND or SUBSEQUENT preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 21.
22. ☒ Certificate of Mailing by Express Mail
23. ☒ Other items or information:

Return Postcard Receipt			
EXPRESS MAIL NO:	EV 425039003 US	DATE OF DEPOSIT:	*October 7, 2004*

PCTUS1/REV03

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 55) 10/510955	INTERNATIONAL APPLICATION NO. PCT US03/08525	ATTORNEY'S DOCKET NUMBER PU020105

24. The following fees are submitted:.

	CALCULATIONS PTO USE ONLY

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

☐   Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO $1,1110.00

☒   International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO $950.00

☐   International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO $790.00

☐   International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) $750.00

☐   International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) $100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =.   **950.00**

Surcharge of $130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).   ☐ 20   ☐ 30

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	20- 20 =	0	X $18.00		
Independent claims	3- 3 =	0	X $88.00		
Multiple Dependent Claims (check if applicable).			☐		

TOTAL OF ABOVE CALCULATIONS =	**950.00**

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

SUBTOTAL =	**950.00**

Processing fee of $130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).   ☐ 20   ☐ 30

+

TOTAL NATIONAL FEE =	**950.00**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).   ☒   **40.00**

TOTAL FEES ENCLOSED =	**990.00**

	Amount to be: refunded	
	charged	990.00

a. ☐   A check in the amount of _____ to cover the above fees is enclosed.

b. ☒   Please charge my Deposit Account No. **07-0832** in the amount of **$990.00** to cover the above fees. **A duplicate copy of this sheet is enclosed.**

c. ☒   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **07-0832** A duplicate copy of this sheet is enclosed.

d. ☐   Fees are to be charged to a credit card. WARNING: Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.
SEND ALL CORRESPONDENCE TO:

Mr. Joseph S. Tripoli
Thomson Licensing Inc.
Patent Department
P.O. Box 5312
Princeton, NJ 08543-5312

SIGNATURE
ROBERT D. SHEDD
NAME
36,269
REGISTRATION NUMBER   10/7/04
DATE

PCTUS1/REV03